

## Abstract

A system and method for developing a prototype that comprises a sequence of motion control, machine vision, and/or data acquisition (DAQ) "MC/MV/DAQ" operations. A MC/MV/DAQ prototyping environment may be designed to enable a user to easily and efficiently develop/prototype a MC/MV/DAQ sequence (i.e., a sequence of operations which includes one or more motion control, machine vision, and/or DAQ operations) without requiring the user to perform programming, e.g., without needing to write or construct code in any programming language. For example, the environment may provide a graphical user interface (GUI) enabling the user to develop/prototype the MC/MV/DAQ sequence at a high level, by selecting from and configuring a sequence of MC/MV/DAQ operations using the GUI.